



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140385

Mode: Highway

Status: Submitted

US-15, US-501

From/Cross Street: NC 211/NC 2 (Pinehurst Traffic Circle)

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 24-27 (east of Carthage)

Project Category: Regional Impact

Length: 12.24

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$132,776,000

Description:

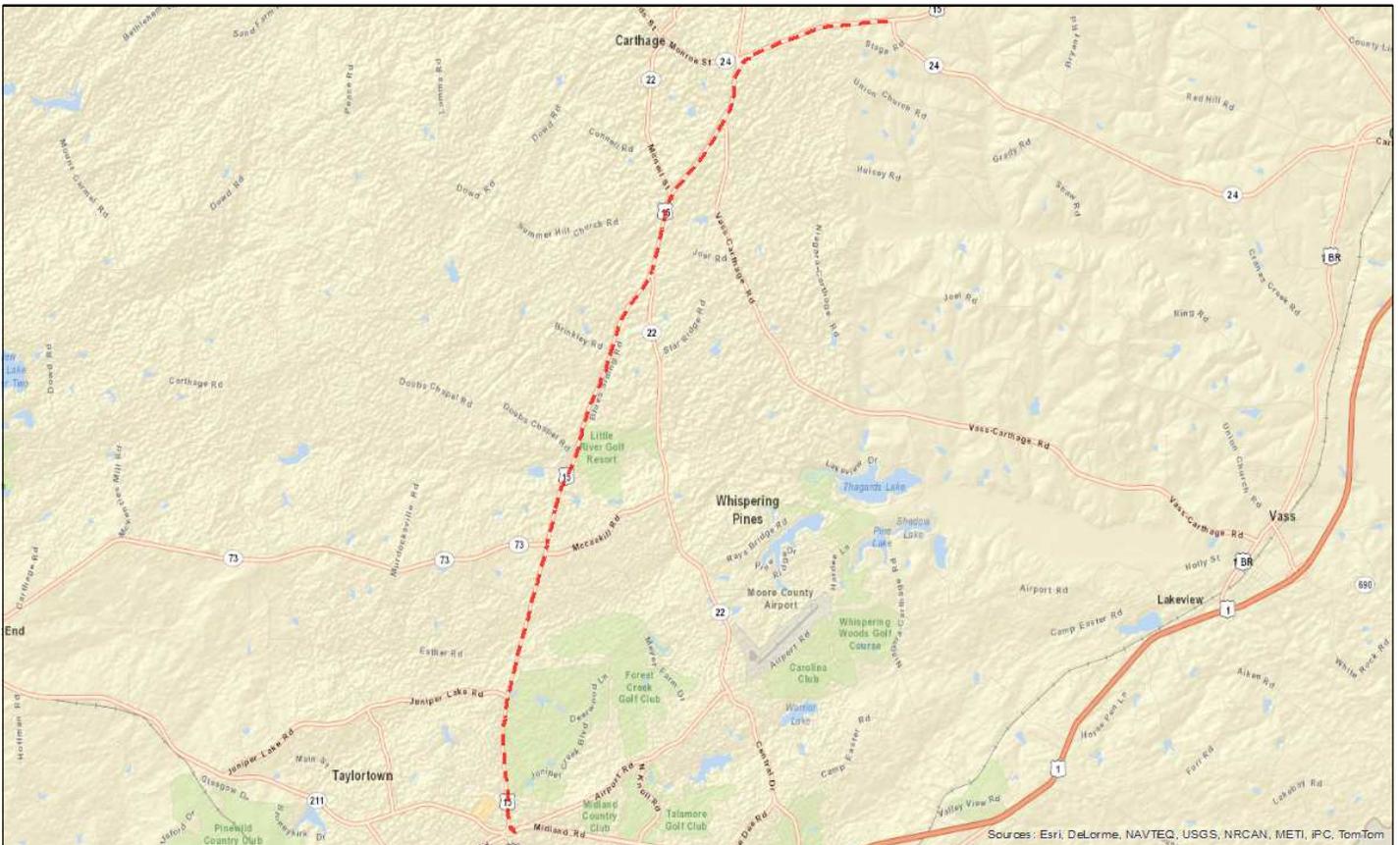
Widen to multilane divided facility

Division(s): Division 8

County(s): MOORE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 0		
Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0		
Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 79.87	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 44.83		
[Travel Time] Benefit/Cost (25%) 5.55		
Accessibility / Connectivity (10%) 49.88		
Totals: Weight: 70% Weighted Score: 30.83		

Division Needs Total Score: 0		
Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 79.87	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 44.83		
[Travel Time] Benefit/Cost (20%) 5.55		
Totals: Weight: 50% Weighted Score: 21.57		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	12.24
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	18804.19
Capacity:	15594.81
Volume/Capacity Ratio:	1.21
% Autos:	94%
% Trucks:	6%
Truck Volume:	1046.08
Crash Density:	64.48
Crash Severity:	38.26
Critical Crash Rate:	31.77
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	90
Actual Congested Speed:	46.02
Travel Time Index:	1.2

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	12.24
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	32288788.98
Travel Time Savings for 30 Years (Autos):	30492557.97
Travel Time Savings for 30 Years (Trucks):	1796231.01
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Triangle Area RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Triangle Area RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$81,443,000	Cost Estimation Tool
Right-of-Way Cost:	\$45,833,000	Cost Estimation Tool
Utilities Cost:	\$5,500,000	Cost Estimation Tool
Total Project Cost:	\$132,776,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$132,776,000	